

Title (en)
LIQUID CRYSTAL DISPLAY DEVICE AND METHOD OF MANUFACTURING THE SAME

Title (de)
FLÜSSIGKRISTALLANZEIGEVORRICHTUNG UND VERFAHREN ZUR HERSTELLUNG DAVON

Title (fr)
DISPOSITIF D'AFFICHAGE À CRISTAUX LIQUIDES ET SON PROCÉDÉ DE FABRICATION

Publication
EP 3011386 B1 20200311 (EN)

Application
EP 14814005 A 20140617

Priority
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Abstract (en)
[origin: US2014368775A1] An alignment film for liquid crystal display device includes a first portion positioned towards to the liquid crystal layer and a second portion positioned away from the liquid crystal layer. The first portion provides improved anchoring force while the second portion exhibits a lower volume resistance than the first portion. Thus, AC image sticking and DC image sticking can be minimized at the same time.

IPC 8 full level
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CPC (source: EP KR US)
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G02F 1/134372 (2021.01 - KR); **G02F 1/13712** (2021.01 - KR); **C09K 2323/025** (2020.08 - EP US); **C09K 2323/027** (2020.08 - EP US);
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Designated contracting state (EPC)
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US 2014368775 A1 20141218; US 9766501 B2 20170919; CN 105308498 A 20160203; CN 105308498 B 20181109; CN 105593750 A 20160518; CN 105593750 B 20181204; EP 3011385 A1 20160427; EP 3011385 A4 20170104; EP 3011385 B1 20191002; EP 3011386 A1 20160427; EP 3011386 A4 20170104; EP 3011386 B1 20200311; KR 101663440 B1 20161007; KR 101663441 B1 20161006; KR 101869630 B1 20180620; KR 101869631 B1 20180621; KR 20140146522 A 20141226; KR 20140146523 A 20141226; KR 20150134432 A 20151201; KR 20150137125 A 20151208; KR 20160114747 A 20161005; KR 20160116055 A 20161006; TW 201500820 A 20150101; TW 201500821 A 20150101; TW I540367 B 20160701; TW I540368 B 20160701; US 10073302 B2 20180911; US 10082705 B2 20180925; US 2014368779 A1 20141218; US 2017343864 A1 20171130; US 2018067365 A1 20180308; US 9846332 B2 20171219; WO 2014204177 A1 20141224; WO 2014204178 A1 20141224

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US 201414307237 A 20140617; CN 201480033740 A 20140617; CN 201480033813 A 20140617; EP 14813994 A 20140617; EP 14814005 A 20140617; KR 20130167915 A 20131230; KR 20130167917 A 20131230; KR 2014005311 W 20140617; KR 2014005312 W 20140617; KR 20157032117 A 20140617; KR 20157032119 A 20140617; KR 20167026851 A 20140617; KR 20167026852 A 20140617; TW 103120862 A 20140617; TW 103120864 A 20140617; US 201414307280 A 20140617; US 201715681213 A 20170818; US 201715813029 A 20171114